#### (19) World Intellectual Property Organization International Bureau



# 

#### (43) International Publication Date 31 March 2005 (31.03.2005)

### PCT

## (10) International Publication Number WO 2005/027660 A2

(51) International Patent Classification7: 1/09, 1/305, 1/30

A23L 1/29,

VAN MEETEREN, Marieke, Elise [NL/NL]; Groen Prinstererstraat 109, NL-6702 CR Wageningen (NL).

(21) International Application Number:

PCT/NL2004/000650

(22) International Filing Date:

20 September 2004 (20.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 03077971.4

19 September 2003 (19.09.2003) EP

- (71) Applicant (for all designated States except US): N.V. NUTRICIA [NL/NL]; Eerste Stationsstraat 186, NL-2712 HM Zoetermeer (NL).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): VAN NORREN, Klaske [NL/NL]; Fluitersdreef 4, NL-6871 LP Renkum (NL). VAN HOORN, Eduard, Christian [NL/NL]; Burgvliet 129, NL-8226 RE Lelystad (NL). HAGE-MAN, Robert, Johan, Joseph [NL/NL]; Hamsterlaan 12, NL-6705 CT Wageningen (NL). BOURITIS, Houkje [NL/NL]; Roemer Visscherlaan 41c, NL-3705 SC Zeist (NL). VRIESEMA, Adrianus, Johannes, Maria [NL/NL]; Fluweelmos 6, NL-3993 KR Houten (NL). VAN LIMPT, Cornelus, Johannes, Petrus [NL/NL]; Elsenburg 48, NL-3813 RD Amersfoort (NL). LANSINK, Mirian [NL/NL]; Fivelingo 87, NL-3524 BJ Utrecht (NL).

- (74) Agents: VAN WESTENBRUGGE, Andries et al.; Nederlandsch Octrooibureau, Scheveningseweg 82, P.O. Box 29720, NL-2502 LS The Hague (NL).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

#### Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND COMPOSITION FOR PREVENTING MULTIPLE ORGAN DYSFUNCTION SYNDROME

(57) Abstract: One aspect of the present invention relates to a method of preventing multiple organ dysfunction syndrome in a mammal suffering from trauma, said method comprising enterally administering to said mammal, within 24 hours of the occurrence of the trauma, (i) digestible water soluble carbohydrates and (ii) a liver guanosine-5'-triphosphate (GTP) increasing component and/or peptides with Angiotensin Converting Enzyme (ACE) inhibiting activity. Another aspect of the invention relates to an aqueous liquid composition containing: - 20-200 g/l digestible dissolved carbohydrates; - 5-5000 mg/l guanosine equivalents in combination with 1-100 g/l ribose equivalents and/or 2-2000 mg/l flavonoids; or 0.01 to 10 mM of peptides with ACE inhibiting activity; and - 45 to 97.95 wt.% water.

